

## Sequence Listing

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5

<120> for a nucleic acid from coldness-adapted marine diatoms fragilariopsis  
cylindrus

<130> AWI 01-0702 DE

10

<160>1

<210>1

<211>456

15

<212>DNA

<213>fragilariopsis cylindrus

<400>1

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	Gly Asn Ser Ala Ile Thr Ala Gly Glu Ile Gly Ser Thr His Val	
	1 5 10 15	
25	gct cat cat tth ttt cac gag atg cca cat tac aat gca tta gag gca	95
	Ala His His Leu Phe His Glu Met Pro His Tyr Asn Ala Leu Glu Ala	
	20 25 30	
30	acg cat gcc atc aga gca ttt ttg gaa cca aaa gga ttg tac aat tat	143
	Thr His Ala Ile Arg Ala Phe Leu Glu Pro Lys Gly Leu Tyr Asn Tyr	
	35 40 45	
35	gat cct gct cca tgg tac aag gcc atg tgg agg atc gga aaa acg tgc	191
	Asp Pro Ala Pro Trp Tyr Lys Ala Met Trp Arg Ile Gly Lys Thr Cys	
	50 55 60	
40	cat tac gtt gaa gct gaa act ggt att caa tat tac aaa tca atg gag	239
	His Tyr Val Glu Ala Glu Thr Gly Ile Gln Tyr Tyr Lys Ser Met Glu	
	65 70 75	
40	gat gtt cca ctt aca aag gat ctg aaa aag gat taaagtaatt cataattcaa	292
	Asp Val Pro Leu Thr Lys Asp Leu Lys Lys Asp	
	80 85 90	
45	tataccttca attccgctaa atttttcctt ctccaattat atcaactaca cgtactgtt	352
	agatactatt acacagacat gtataaaata gtctatataa catcaacata ataataaaaa	412
	ttgctattat ttacgaaaaa aaaaaaaaaa aaaaaaaaaa aaaa	456